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Set	Items	Description
S1	39708	CONTROLL?R?(S) (POLICY OR RULE? ? OR REGULATION? ? OR AGREEMENT? ? OR CONTRACT? ?)
S2	175345	CONTROLL?R?(S) (LOCK? ? OR CONTROL? ? OR SAFEGUARD? ? OR SAFE()GUARD? ? OR SECURE? OR SECURING OR SECURITY OR ACCESS?)
S3	14249	S2(S) (POLICY OR POLICIES OR RULE? ? OR REGULATION? ? OR AGREEMENT? ? OR CONTRACT? ?)
S4	4337	S3(S) (HIERARCH? OR TIER? OR PRIORITY OR PRIORITI? OR SEQUENTIAL? OR SEQUENC? OR HEIRARCH? OR TOP()DOWN OR ORDER? OR ARRANG?)
S5	475	S4(S) (POLICY OR POLICIES)
S6	475	S5 NOT 350,344,347,371
S7	166	S6 NOT PY>1999
S8	132	RD (unique items)

? t8/3,k/all  
8/3,K/1 (Item 1 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
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02776833 575740911

**Semantics-Based Transaction Processing for Real-Time Databases: The Case of Automated Stock Trading**

Konana, Prabhudev; Ram, Sudha

INFORMS Journal on Computing v11n3 PP: 299-315 Summer 1999

ISSN: 1091-9856 JRNL CODE: INJC

WORD COUNT: 8794

...TEXT: of Arrivalrate. It has two main functions: 1) assigning transaction deadline, and 2) assigning initial **priority**. The transaction manager (TM) is primarily responsible for implementing the scheduling **policy** as well as dynamically revising the **priorities** of the transactions. It handles the various stages of transaction execution such as begin, commit...

...transaction until it completes or reaches its deadline. The TM interacts closely with the concurrency **controller**, memory manager, and the resource manager. The TM first interacts with the concurrency **control** manager to seek permission for data **access** for a transaction (e.g., **lock**-based protocols or OCC that uses read and validation **locks**) or to see if it is marked for restart/abort. Once cleared for data **access**, the TM checks with the memory manager to see if the required page is in...

... the disk. Once the page is available, CPU services are requested based on the transaction **priority**. We do not explicitly implement a full-memory management module. In this study, we assume...

8/3,K/2 (Item 2 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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01816801 04-67792

**Controlling the medical costs of automobile insurance through managed care techniques**

Herbig, Martha; Lincoln, Carolyn Rodda

CPCU Journal v52n1 PP: 22-35 Spring 1999

ISSN: 0162-2706 JRNL CODE: CPC

WORD COUNT: 3547

...TEXT: participants to use selected providers associated with the managed care plan

Although all managed care **arrangements** encompass one or more of these elements, there is still a wide range of options controlling benefits, provider **access**, and cost. Generally, the plans that have the most **control** over the manner in which care is rendered also have the lowest costs. Plans are...

...to using only network providers and must cooperate with the primary care physician as a **controller** or "gatekeeper" to treatment from specialists. PPOs have similar benefits but less restriction on the...plans. They succeed in extending treatment so those participants can stretch their available dollars when **policy** limits exist. Point of service (POS) plans are a hybrid of PPOs and traditional fee for service (FFS) **arrangements**. Table 4 shows the tradeoffs between cost and provider choice. Figure 4 shows the rapid...

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8/3,K/3 (Item 3 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
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01800409 04-51400

**Legal developments**

Frierson, Robert DeV; Ahn, John H; Sellers, Bob L  
Federal Reserve Bulletin v85n3 PP: 205-216 Mar 1999  
ISSN: 0014-9209 JRNL CODE: FRS  
WORD COUNT: 6025

...TEXT: with the proposal, the Federal Reserve Bank of San Francisco ("Reserve Bank") has reviewed the **policies** and procedures of Company and Redwood to ensure compliance with this **order** and the Section 20 **Orders**, including Company's and Redwood's operational and managerial infrastructure; computer, audit, and accounting systems; and internal risk management procedures and **controls**. The Board also has considered the ability of First **Security** to monitor Redwood's activities and compliance with this **order** and the Section 20 **Orders**. First **Security** has stated that Company has the ability to monitor Redwood's financial condition and securities...

... serves as a director on Redwood's three-member board of directors, and Company's **controller** also serves as Redwood's **controller**.<sup>15</sup> In addition, Redwood operates on Company's premises in space leased from Company, and...

8/3,K/4 (Item 4 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
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01736892 03-87882

**Entitlement budgeting vs. bureau budgeting**

White, Joseph  
Public Administration Review v58n6 PP: 510-521 Nov/Dec 1998  
ISSN: 0033-3352 JRNL CODE: PAR  
WORD COUNT: 9012

...TEXT: to the money running out, so advocates may feel some need to compromise with budget **controllers** so as to get legislation at all. This is not normally the case for entitlements...

...trust funds approach "bankruptcy" (Patashnik, 1997a). The annual reports by the trustees of the Social **Security** and Medicare Part A funds are used by advocates of budget **control** to raise fears that might impel program supporters to cede some ground. Crises of the Social **Security** trust fund in 1977 and 1982 did force action, and projections in recent years that...

... go broke provided the occasion for Republican claims that they had to cut Medicare in **order** to save it (Rich, 1996; Rosenbaum, 1996). Therefore some budgeteers who believe the distinction between Medicare's Parts A and B and a separate trust fund make no **policy** sense seek to preserve it so as to retain the action-forcing aspects of Part...

8/3,K/5 (Item 5 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)

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01730108 03-81098

**Accounts payable: Silver lining or dark cloud**

Venkatesan, Venkat

Secured Lender v54n6 PP: 88-94 Nov/Dec 1998

ISSN: 0888-255X JRNL CODE: SCL

WORD COUNT: 2346

...TEXT: completing the transaction cycle.

A/P management

The borrower's treasury department (or its CFO/ **controller** depending on the business size) actively manages A/P disbursements to ensure that it takes...

... of the vendor terms (net 30, net 60, or other dating), and/or through executing **contracts** with vendors for preferred pricing or other tangible benefits to the borrower (e.g., consignment, EDI billing, **order** entry, and payments, nohassle return **policies** ). It is imperative for an asset-based lender to understand the borrower's A/P...

... vendor pressure due to limited cash flows resulting from poor A/P management, **out-of-control** inventory balances, and funding losses, additional due diligence is warranted to understand the overall impact...

**8/3,K/6 (Item 6 from file: 15)**

DIALOG(R) File 15:ABI/Inform(R)

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01711539 03-62529

**BBC says CWC is breaking rules**

Grande, Carlos

New Media Markets v16n36 PP: 1, 10+ Oct 8, 1998

JRNL CODE: NEW

WORD COUNT: 427

...TEXT: with the most advanced digital plans, may set a precedent for other companies.

Dominic Morris, **controller of policy** development at the BBC, said "The position of the Secretary of State, the ITC and...

... However the cable operators choose to make BBC services available, whether in a separate BBC **tier** or as part of an **access** package, licence-fee funded channels which are provided free to cable companies should be provided...

**8/3,K/7 (Item 7 from file: 15)**

DIALOG(R) File 15:ABI/Inform(R)

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01633561 02-84550

**Object-oriented design of FMS control software based on object modeling technique diagrams and petri nets**

Venkatesh, Kurapati; Zhou, MengChu

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Journal of Manufacturing Systems v17n2 PP: 118-136 1998  
ISSN: 0278-6125 JRNL CODE: JMY  
WORD COUNT: 8330

...TEXT: to the assembly shop (AS). Their track layout is shown in Figure 7.

A cell **controller** is responsible for controlling the operations in each cell. One or more PLCs are used to coordinate the **sequencing** of different elements present in each cell. A PLC in a cell receives signals from sensors/limit switches and accordingly **controls** the functions of robots, machines, and AGVs. There is a shop-floor **controller** in the FMS that **controls** the cell **controllers** and schedules production tasks among cells. There is also a business host, which is on the top of the shop floor to deal with higher level issues, such as corporate **policies**. During the production, if any malfunction/exception occurs at the cell level (due to factors...

... excessive machining temperature), an exception is raised by a PLC and passed to the cell **controller**. Then the cell **controller** handles that exception and passes the resume signal to the PLC to continue the cell operations. Similarly, if malfunction/exception occurs at the cell **controller** level (due to factors such as introduction of a new product variety), the cell **controller** raises an exception and sends it to the shop-floor **controller**. Then the shop-floor **controller** handles that exception and passes the resume signal to the cell **controller**. Handling of exceptions in a cell can also be called cell maintenance. The difference between PLC and a cell **controller** is that PLCs can only issue commands to **sequence** machines and robots within that cell but cannot handle exceptions. Note that the **control** scheme described here is based on the widely used **hierarchical control** in FMSs. Furthermore,

8/3,K/8 (Item 8 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
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01596299 02-47288  
**Stress--the bigger picture**  
James, Kim  
Credit Control v19n1 PP: 19-22 1998  
ISSN: 0143-5329 JRNL CODE: CRT  
WORD COUNT: 1558

...TEXT: of bad debts.

Traditionally the sales force had been given a lot of leeway in **arranging** terms with the customers, frequently extending the credit terms. Sales therefore, resented the new Credit **Controllers** who came between them and their customers. This was particularly true in the region in which the two managers in question operated. The Credit **Control** Manager was at loggerheads with the Sales Director; each manager in turn had been tasked with setting up a **policy** and system for bad ...do their own negotiations where there were extenuating circumstances. In the perception of the Credit **Control** manager 'every account was an exception with extenuating circumstances'. Relationships became strained.

Relieving the Burden...

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8/3,K/9 (Item 9 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
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01564227 02-15216  
**The audit from the inside**  
Sheriff, Rebecca L  
Journal of Accountancy v185n1 PP: 49-51 Jan 1998  
ISSN: 0021-8448 JRNL CODE: JAC  
WORD COUNT: 2196

...TEXT: members who will be working with the auditors. I explain that audit requests get first **priority** ; scheduling conflicts should be reported to me. I tell them to refer any questions they...

... for the company. Usually, the chief financial officer appoints the coordinator if there is no **controller** to direct the audit. Some companies have a general accounting manager or financial accounting manager...

... the audit and be able to answer all the external auditor's questions about internal **controls** , financial statements, company **policy** and procedures and any systems used by the company.

3 ARRIVAL OF THE AUDITORS FOR...

8/3,K/10 (Item 10 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
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01546810 01-97798  
**Cache design considerations for RAID 3 controllers**  
Duchesne, Raymond  
Computer Technology Review v17n11 PP: 48, 58+ Nov 1997  
ISSN: 0278-9647 JRNL CODE: CTN  
WORD COUNT: 2839

...TEXT: the accompanying sound streams are much shorter) without wasting cache space. Again, the Digi-Data **controller** 's "super-clusters" offer a solution. We allocate fixed size clusters (for simplicity and fast **access** ), but the additional "super-cluster" level provides for the virtual allocation of much larger **sequential** clusters that easily support large look-ahead and write-back merges. Look-ahead and write-back merges will also determine our cache retention **policy** in a mostly **sequential** environment: give **priority** to prefetched data and keep write-back data in memory long enough to give merging...

8/3,K/11 (Item 11 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
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01467134 01-18122  
**Excuses for non-payment and how to deal with them**  
Berkson, Jonathan  
Credit Control v18n6 PP: 9-13 1997  
ISSN: 0143-5329 JRNL CODE: CRT

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WORD COUNT: 1304

...TEXT: it should be considered upon its merits and in accordance with the business's Credit Control criteria. The Credit Control criteria is set by balancing the policies of the Credit Controllers in the business (who generally wish for a tough approach) with the Sales Executives (who generally wish for a flexible approach to credit in order to encourage future business). The creditors own financial position can be an important factor in determining a credit policy .

It must be remembered when setting a Credit Control policy that not all excuses are...

8/3,K/12 (Item 12 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01349205 00-00192  
**North America report**  
Anonymous  
Air Transport World v34n1 PP: 8-10 Jan 1997  
ISSN: 0002-2543 JRNL CODE: ATW  
WORD COUNT: 1547

...TEXT: 000 8-ft. by 4-ft. blocks of aerated, cellular cement.

Seattle Air Route Traffic Control Center in Auburn, Wash., is the first of 21 sites to receive advanced controller workstations, called DSR for display system replacement. Salt Lake City will be next, in Oct. FAA adopted a policy under which it will be empowered to fine any person or firm for falsifying information required for unescorted access to airport security areas. Boeing rolled out the 737-700 on Dec. 8, with first flight scheduled for...

...500X to the second half of 2001, a date that can be achieved if an order is received soon. Boeing said that testing of power rudder control units on nearly 2,000 737s revealed no failures (ATW, 12/96).  
(Photograph Omitted)

Captioned...

8/3,K/13 (Item 13 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01121028 97-70422  
**Integration of neural networks and genetic algorithms for an intelligent manufacturing controller**  
Holter, Tammy; Yao, Xiaoqiang; Rabelo, Luis Carlos; Jones, Albert; Yih, Yuehwern  
Computers & Industrial Engineering v29n1-4 PP: 211-215 Sep 1995  
ISSN: 0360-8352 JRNL CODE: CIE

ABSTRACT: The development and implementation of a controller for a single manufacturing machine is addressed. This prototype will serve as an important tool...

... the integration of several functions and the utilization of status data to evaluate scheduling and **control** decision alternatives. The emphasis is on creating a prediction capability to aid in assessing the...

... by using neural networks, simulation, and genetic algorithms. Neural networks predict the behavior of different **sequencing policies** available in the system. The contribution of the genetic algorithms to the decision-making process is the development of a new scheduling **rule** based on a building blocks procedure initiated by the neural networks. ...

**8/3,K/14 (Item 14 from file: 15)**  
DIALOG(R) File 15:ABI/Inform(R)  
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01044606 96-93999  
**CoActive control**  
Tongren, John D  
Internal Auditor v52n3 PP: 42-44 Jun 1995  
ISSN: 0020-5745 JRNL CODE: IAU  
WORD COUNT: 1852

...TEXT: New management methods require new internal control models.

\* The Management Control Model

The old "internal **control** = management **control**" paradigm is based on **hierarchical** organizations. Those at the top establish the need for **controls** by edicts commonly known as corporate **policy**. Those farther down in the organization develop specific **control** mechanisms by drafting and implementing corporate procedures. Those in the lower levels of the organization...

... controlled. And everyone throughout the organization is expected to fully and completely abide with corporate **policies** and procedures--and there are many supervisors, managers, **controllers**, and auditors to check and make sure they do!

In the typical reactive management model...

**8/3,K/15 (Item 15 from file: 15)**  
DIALOG(R) File 15:ABI/Inform(R)  
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01008502 96-57895  
**Budgetary control in a decentralized system: Meeting the criteria for fiscal stability in the European Union**  
Wildavsky, Aaron; Jones, L R  
Public Budgeting & Finance v14n4 PP: 7-22 Winter 1994  
ISSN: 0275-1100 JRNL CODE: PBF  
WORD COUNT: 8114

...TEXT: to restore some balance between spending and saving.

The idea embodied in the first four **rules** is to place spending interests into conflict. Rather than trying to increase the unilateral power of

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budget controllers , (which is generally not politically feasible beyond the control they already possess due to unwillingness of legislators to give controllers more fiscal policy leverage that might be used against the legislature), these proposals attempt to use some of...

... in one spending category may be opposed to the interest of others, so that in order for one to get more for its side, it will have to generate the onus...

8/3,K/16 (Item 16 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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00971865 96-21258

**Gore's grades: A+, I and D**

Light, Paul

Government Executive v26n10 PP: 64 Oct 1994

ISSN: 0017-2626 JRNL CODE: GOV

WORD COUNT: 941

...TEXT: many topics they shouldn't be talking about.

In my upcoming book, Thickening Government: Federal Hierarchy and the Diffusion of Accountability (Brookings/Governance Institute, 1995), I examine 13 different federal occupations in my home state of Minnesota-including air traffic controllers , Social Security claims reps, VA hospital nurses, weather forecasters and food inspectors. My research shows that people...

... their department Secretary's desk in Washington. There are 58 stops on average before a policy directive finally makes it down from Washington, and even more for budget decisions.

Some of...

8/3,K/17 (Item 17 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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00913845 95-63237

**CFO act update**

Williams, Kathy

Management Accounting v76n3 PP: 22 Sep 1994

ISSN: 0025-1690 JRNL CODE: NAA

WORD COUNT: 194

TEXT: In testimony before the Legislation and National Security Subcommittee of the House Committee on Government Operations this summer, Joseph F. Moraglio, vice president...

...AICPA's federal government division, said the government was sending the wrong signal about the priority and importance of financial management. The position of controller , the second most senior federal financial management officer, has been vacant for a year; three...

... establishment of Resource Management Offices may not improve financial

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management as the staff will be **policy** analysts. None of these messages is encouraging, he implied.

Mr. Moraglio said, "The AICPA strongly...

**8/3,K/18 (Item 18 from file: 15)**  
DIALOG(R) File 15:ABI/Inform(R)  
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00835708 94-85100  
**The case for local budgeting**  
Glaudemans, Jon  
Health Affairs v13n1 PP: 243-246 Spring 1994  
ISSN: 0278-2715 JRNL CODE: HAF  
WORD COUNT: 1826

...TEXT: new balance between the needs, expectations, and resources of patients, providers, and payers. That is, **policy** proposals that fail to balance the interests of the three major actors in our health a **top - down** budget constraint on health care spending.(9) In effect, the plan fixes a budget and...

**8/3,K/19 (Item 19 from file: 15)**  
DIALOG(R) File 15:ABI/Inform(R)  
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00833369 94-82761  
**Informal supervisory social control strategies**  
Fortado, Bruce  
Journal of Management Studies v31n2 PP: 251-274 Mar 1994  
ISSN: 0022-2380 JRNL CODE: JMS

ABSTRACT: The informal strategies that are employed by supervisors outside the formal discipline and **control** systems are explored via a literature review and an analysis of 8 case studies from the US. A comparison with the literature on formal **controls** reveals that these informal strategies violate virtually all the conventional prescriptive wisdom. The descriptive sociological and anthropological research on negotiated **orders** , status degradation, labelling, and stigmatization is found to be applicable. However, even here, important distinctions must be drawn between this study which develops workplace **controllers** ' strategies and the majority of the prior studies which have focused on deviants' reactions to **control** measures in non-work settings. A general shift toward the replacement of informal disciplinary practices with formal **policies** has been said to be in progress for many years. This transformation has been fuelled...

**8/3,K/20 (Item 20 from file: 15)**  
DIALOG(R) File 15:ABI/Inform(R)  
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00777468 94-26860  
**Resolving deadlocks in flexible manufacturing cells**  
Leung, Ying Tat; Sheen, Gwo-Ji  
Journal of Manufacturing Systems v12n4 PP: 291-304 1993  
ISSN: 0278-6125 JRNL CODE: JMY

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WORD COUNT: 7865

...TEXT: the proposed algorithms do not depend on the configuration of the cell, the cell loading **policy**, or the cell scheduling algorithm. Therefore, when the cell configuration or the loading/scheduling **policy** changes dynamically (for example, in "graceful" degradation in the event of machine breakdowns), the algorithms...

... is low level or local data. Besides having the advantage of being implementable on machine **controllers**, the algorithms are suitable for use in both the **hierarchical control** (Biemans and Vissers 1989) and distributed **control** (Duffie et al. 1988) environments.

DEADLOCK DETECTION/RECOVERY ALGORITHM

In examining the four necessary conditions...

8/3, K/21 (Item 21 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
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00777463 94-26855  
Complexity reduction during interruption analysis in a flexible manufacturing system using knowledge-based on-line simulation  
Tayanithi, P; Manivannan, S; Banks, Jerry  
Journal of Manufacturing Systems v12n2 PP: 153-169 1993  
ISSN: 0278-6125 JRNL CODE: JMY  
WORD COUNT: 9823

ABSTRACT: One of the major challenges for a supervisory **controller** in a flexible manufacturing system (FMS) is to react quickly to a problem and provide...

...most accurate and reliable information obtained from the shop floor. The response time of the **controller** depends upon the complexity of the **control** problem, number of alternative **policies** considered, and the methodology to arrive at the best decision, among several others. The complexity during on-line analysis of interruptions caused by machine breakdowns and rush **orders** in an FMS is discussed. These interruptions affect the manufacturing plan and require changes in...

...TEXT: interfacing with a real FMS. The nested databases store static and dynamic information for making **control** decisions. Static databases maintain information that does not change with respect to time, while information...

... handle interruptions. The OLS is designed to examine the effects of choosing a specific alternative **control policy** provided by the knowledge bases. The main functions of the KB **controller** include: (i) monitoring the emulated FMS and identifying the occurrence of **control** problems or interruptions using on-line data, (ii) classifying the **control** problems (for instance, machine breakdown or rush **order**), (iii) checking to see whether the solution to the **control** problem resides in the knowledge bases, (iv) selecting alternative actions if OLS is required, (v... 30) These features reduce the workload of the KBOLS architecture by keeping the number of **rules** considered, tested, and fired as few as possible. This can be inferred from the graphs...

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... 8. The fourth design feature is the use of the AGKB, which contains the procedural **rules** for various interruption analysis problems. These **rules** are developed based on existing algorithms, heuristics, and knowledge acquired through interviews with FMS superisors. In KBOLS, whenever an interruption **control** decision is desired, the KB **controller** first checks for a **rule** in these knowledge bases. If a unique solution exists, there is no need to perform...

... terms of their performance and CPU time, and simulating only a set of few alternative **policies**. These are reflected in Figures 9 and 10. The fifth design feature is the use of OLS knowledge base, which provides a suitable runlength ( **control** horizon). These **rules** have been developed based on our understanding of the nature of interruptions caused by machine breakdowns and rush **order** releases and several historical simulation runs. The graphs for two types of interruptions shown in...

8/3,K/22 (Item 22 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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00775331 94-24723

**The challenge of strategic management in local government**

Backoff, Robert; Wechsler, Barton; Crew, Robert E Jr

Public Administration Quarterly v17n2 PP: 127-144 Summer 1993

ISSN: 0734-9149 JRNL CODE: SRP

WORD COUNT: 5413

...TEXT: challenge of strategic management in local government agencies. The nature of legal authority and the **control** system puts the agency in a subordinate position with highly circumscribed autonomy in matters of...

... management. The local government agency's jurisdiction, domain, and mission are largely set by external **controllers**. Even **policies**, methods, and standards of service delivery may be set by legislative, executive or other external authorities through statute, ordinance, executive **orders**, administrative **rules** or judicial decisions.

Similarly, highly politicized resource allocation requires that managers engage in political influence...

8/3,K/23 (Item 23 from file: 15)

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00740897 93-90118

**Autopoiesis and the science of (public) administration: Essence, sense and nonsense**

Kickert, Walter J M

Organization Studies v14n2 PP: 261-278 1993

ISSN: 0170-8406 JRNL CODE: ORS

WORD COUNT: 7430

...TEXT: many societal systems appear to possess. The idea that government is able to exert direct **control** over the course of affairs in societal sectors, the idea of government steering society from a powerful **control** position above and apart from the rest of society, has been shown to be

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unrealistic (Den Hoed et al. 1983). Government is not the almighty **controller** of social processes. The **control** capacity of government is limited for a number of reasons: lack of legitimacy, complexity of **policy** processes, complexity and multitude of institutions concerned, etc. Government is only one of many actors...

...They are not controlled by any single superordinated actor, not even the government. They largely **control** themselves. Autonomy not only implies freedom, it also implies self-responsibility. Autonomous systems have a...  
... withdrawal and steering at a distance (Kickert 1993) are all notions of less direct government **regulation** and **control**, which lead to more autonomy and self-governance for social institutions. The need for theoretical...

...considered the next step in the direction of a theory of system autonomy and self- **control**. **Control** is crucial in cybernetics. Cybernetics was originally defined by Wiener (1948) as 'the science of **control** and communications'. **Regulation** and **control** are its basic themes (Ashby 1956). All 'hard science' approaches to **control** assume the hierarchical notion of a **controller** who **controls** a controlled system which interacts with an environment. The **controller** receives information from the system and sends back **control** measures in return. **Hierarchical control** often does not exist in social systems. Several entities have influence, which at the same...

... a degree of autonomy. The controllability of the system is restricted; there is no unilateral **control** relation and no single **controller** above others. The subsystems are capable of self- **control**. The notion of a network of several nearly autonomous actors with different and often conflicting...

...are compromises, is fundamentally different from the mono-rational model of governance by a single **controller** which adjusts the subsystems in **order** to reach a collective objective (Hanf and Scharpf 1978; Kickert 1980). The contribution of autopoesis...

... autopoesis. The ability of a network of autonomous systems to maintain itself and its basic **order** when confronted with disturbances, and its ability to survive in a turbulent and complex environment, is a vital quality in an administrative situation where direct **top - down control** by government is being steadily replaced by a self-governance autonomy of social institutions. It...

8/3,K/24 (Item 24 from file: 15)  
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00721915 93-71136  
Building business and application systems with the Retail Application  
Architecture  
Stecher, Peter  
IBM Systems Journal v32n2 PP: 278-306 1993  
ISSN: 0018-8670 JRNL CODE: ISY  
WORD COUNT: 14914

...TEXT: they can be separated, whereas in reality they are deeply intertwined. According to the application **controller** concept, (7,10) an installed data processing system is a mapping of a particular business...

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... processing level are "populated" by functioning systems, namely a business organization with its objectives, processes, **policies**, and entities, and a data processing system with its hardware and software systems, respectively. By is built with four structural elements: activity, state, agent, and message. The application **controller** concept suggests using the functional model not only during the development of the data processing...

... reference to business users and the data processing system, and to poll it continuously in **order** to identify those processes that are due for execution by a business user or the data processing system. The processes due for execution are put in a queue to be **accessed** by business users and processors. By incorporating driver and monitor functions for the applications, the application **controller** becomes an interface machine between the business system and the data processing system.

The Information...

8/3,K/25 (Item 25 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
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00686487 93-35708  
**Thomson-CSF fending off U.S.-based ATC challenge**  
Sparaco, Pierre  
Aviation Week & Space Technology v138n14 PP: 46 Apr 5, 1993  
ISSN: 0005-2175 JRNL CODE: AWS

**ABSTRACT:** Thompson-CSF is using acquisitions and teaming **arrangements** to try to fend off challenges by a number of new US competitors in the...

... Detection Systems Group. Thompson-CSF claims to be the world's number one air traffic **control** systems and navaids manufacturer with annual sales of about \$325 million. The company has delivered about 200 air traffic **control** centers with 5,000 **controller** workstations, 900 radars, and 6,000 navaids. On the European scene, teaming also became the key **policy**. Thomson-CSF and Siemens Plessey Systems recently made several joint proposals linked to Eurocontrol programs...

8/3,K/26 (Item 26 from file: 15)  
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00653568 93-02789  
**It's a "Fine" Time to Update Your Price Verification System!**  
Shulman, Richard  
Supermarket Business v47n11 PP: 13-14 Nov 1992  
ISSN: 0196-5700 JRNL CODE: SMB

**ABSTRACT:** retail pricing accuracy. A first step to system update is to review the company's **policies**, procedures and standards. Basic industrial engineering standards can clearly define both the labor required and...

... budget. If the current headquarters shelf label system does not prepare the labels in the **sequence** required for store level efficiency and

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**control** , this operation will need to be done before a store level evaluation is attempted. To...

...process should integrate the audit, price discrepancy resolution and the correction process of both scanning **controller** and shelf label with the production of the management **control** reports.

8/3,K/27 (Item 27 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
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00578017 91-52364  
**Flexible Switching for GSM**  
Behague, Francois; Carrie, Alain; Cellmer, Jean; Marciguey, Michel  
Telecommunications (International Edition) v25n7 PP: S29-S32 Jul 1991  
JRNL CODE: TIE  
WORD COUNT: 1778

...TEXT: speed vocoders.

This particular architecture also includes different methods of connecting base stations to the **controllers** again to reduce transmission costs, including both star or loop network technology options. Other solutions...

... the circumstances (transmission media tariff structure, legislation, etc.) and the network operator's O&M **policy** , a number of solutions are possible. On one hand, the **controller** (BSC) can be located at the switching site (MSC) and then become MSC front-end equipment. On the other hand, and in addition to BSC base station subsystem **control** functions, the BSC can also have a traffic concentration role. Its **hierarchical** level is then between the switching centre and the base stations.  
As well as being...

8/3,K/28 (Item 28 from file: 15)  
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00568503 91-42855  
**Simultaneous Optimization of Flow-Control and Scheduling in a Single Server Queue with Two Job Classes: Numerical Results and Approximation**  
de Serres, Yves  
Computers & Operations Research v18n4 PP: 361-378 1991  
ISSN: 0305-0548 JRNL CODE: CRO

ABSTRACT: Multiclass queueing systems with dynamic flow- **control** and dynamic scheduling are investigated. A simple M/M/1 queue with 2 classes of ...

... job in queue and admission rewards for each job accepted into the system. The flow- **control** and the service scheduler jointly optimizing the performance of the queue are obtained numerically. When...

... that the long-run average operating costs are minimized by combining a preemptive scheduler, giving **priority** to the class with the shortest mean service time with monotonic admission **policies** (one for each class). Moreover, it turns out that this monotonic flow- **controller** admits short

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jobs according to a threshold on the total number of jobs in queue; on the other hand, the optimal admission of long jobs is closely approximated by a **control -limit policy** on the total expected work in the queue.

...

**8/3,K/29 (Item 29 from file: 15)**

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00500033 90-25790

**Running Costs Control in UK Central Government**

Thain, Colin; Wright, Maurice

Financial Accountability & Management v6n2 PP: 115-131 Summer 1990

ISSN: 0267-4424 JRNL CODE: FAM

**ABSTRACT:** The introduction of running costs **control** was presented by the UK Treasury to give departments greater freedom to allocate resources according to departmental, rather than central, **priorities**. Running costs **controls** are centrally monitored, and any excess leads to an investigation into the causes. Perspectives through which the effects of running costs **control** can be judged include that of: 1. the Treasury's expenditure **controller** and its Running Costs Division, 2. a department's Finance Division, and 3. a department's **Policy** Division. Having set up a **control** mechanism that imposed real constraints on departments, the Treasury has gradually allowed a significant increase in the amount of flexibility in the operation of the running costs **control** regime. This includes revisions to running costs **controls** during the financial year via the tabling of supplementary and revised supply estimates and the...

**8/3,K/30 (Item 30 from file: 15)**

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00426700 88-43533

**Working with the Audit Committee**

Purtill, John S.

Journal of Accountancy v166n4 PP: 140-146 Oct 1988

ISSN: 0021-8448 JRNL CODE: JAC

**ABSTRACT:** An increasing number of companies have created audit committees in **order** to **safeguard** shareholders' interests and to help reduce fraud. Such a committee must be elected by the...

... or 4 times a year. A responsible committee will frequently want to know what the **controller** or chief financial officer (CFO) is doing. A good strategy for the financial officer is...

... dialogue that is satisfactory to both sides. The committee can be a buffer for the **controller** or CFO in dealing with other members of management, especially when there is inappropriate influence on accounting **policies** and transactions. ...

**8/3,K/31 (Item 31 from file: 15)**

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00249584 84-28144

**Maximizing Cash in Decentralized Organizations**

Phillips, Thomas E.; Droege, Mark E.

Management Accounting v66n2 PP: 38-42 Aug 1984

ISSN: 0025-1690 JRNL CODE: NAA

**ABSTRACT:** As corporations grow, **control** problems become more complex. Many decisions are best made close to the problems, and decentralized approaches to planning and **control** programs are in widespread use. Allowing local decisions made to benefit productivity within a division...

... management plan. Harris is a decentralized company with 30 divisions, each of which have a **controller** as chief financial officer of the division. In 1977, a study by Citibank discovered a...

... recommended a centralized cash management system with one disbursement bank and regional lockboxes. Since this **arrangement** conflicted with the company **policy** of divisional autonomy, incentives were provided for the divisions to use the system. ...

**8/3,K/32 (Item 32 from file: 15)**

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00160009 82-01570

**Speeding Up Interim Closings**

Giovinazzo, Vincent J.

Management Accounting v63n6 PP: 51-59 Dec 1981

ISSN: 0025-1690 JRNL CODE: NAA

**ABSTRACT:** During the last 4 years more than 500 **controllers** and accounting managers have been polled on the issue of interim closings. Delays in monthly...

...majority of companies. To maximize the usefulness of the interim closing statements these major reporting **policies** and approaches should be used:  
1. Schedule the delivery of the information and reports by **priorities**.  
2. Distribute ''flash reports'' when needed. 3. Use suspense accounts to prevent delays. 4. Use...

... certain types of repeating journal entries in advance, 4. summing columns on worksheets, ledgers, and **control** reports several times a month, 5. modifying the interim calendar, and 6. computerizing the accounting...

**8/3,K/33 (Item 33 from file: 15)**

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00113688 80-07576

**Auditing Accounts Payable**

Haggerty, Roger E.

Retail Control v48n7 PP: 54-62 Mar 1980

ISSN: 0034-6047 JRNL CODE: REC

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ABSTRACT: Essential to any system of internal **control** is the concept of duality. At least 2 individuals must be involved in every transaction for proper internal **control** to be effective. The first step is for operational structure to be specified by top...

... and areas of responsibility. This can be done with a published organizational chart showing the **controller** and financial vice-president reporting directly to top management on all financial matters. It is...

... objectives in designated areas and to have the company employees aware of why any internal **control** changes are being made. Proper approval of purchase **orders** means approval by someone other than the buyer prior to initiation, and this procedure is an integral part of a **control** system. With regard to the accounts payable function, invoices should be processed to make sure they comply with company **policies** and with the terms of original purchase **orders**. Invoice processing should entail matching the related invoice, the receiving report, and the purchase **order**. They should then be reviewed by the supervisor of accounts payable before approval for payment...

...department for signature, and all checks under \$5,000 are hand signed by either the **controller** or assistant **controller**. This last step allows for a review of almost all dollar disbursements.

**8/3,K/34 (Item 34 from file: 15)**

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00090803 79-05693

**Performing the Controller Function**

Ewing, H. Griffin  
Retail Control v47n6 PP: 57-64 Feb. 1979  
ISSN: 0034-6047 JRNL CODE: REC

ABSTRACT: Corporate **controllers** are primarily responsible for: 1. planning for **control**, 2. reporting and interpreting results of operations, 3. consulting with management, 4 protecting assets, 5. making economic appraisals, 6. administering **policy**, and 7. preparing government reports. They should have the authority to question all financial and...

... discuss all top management critical decisions if they are to be effective in their positions. **Controllers** must develop and utilize interdisciplinary skills in **order** to properly coordinate the areas of budgeting, research and development, production, marketing, and finance. In sum, the successful **controller** increases operational and financial effectiveness and contributes to improving work measurement standards.

**8/3,K/35 (Item 35 from file: 15)**

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00038960 76-04760

**THE HEALTH AND SAFETY AT WORK ETC ACT 1974**  
KEENAN, DENIS